

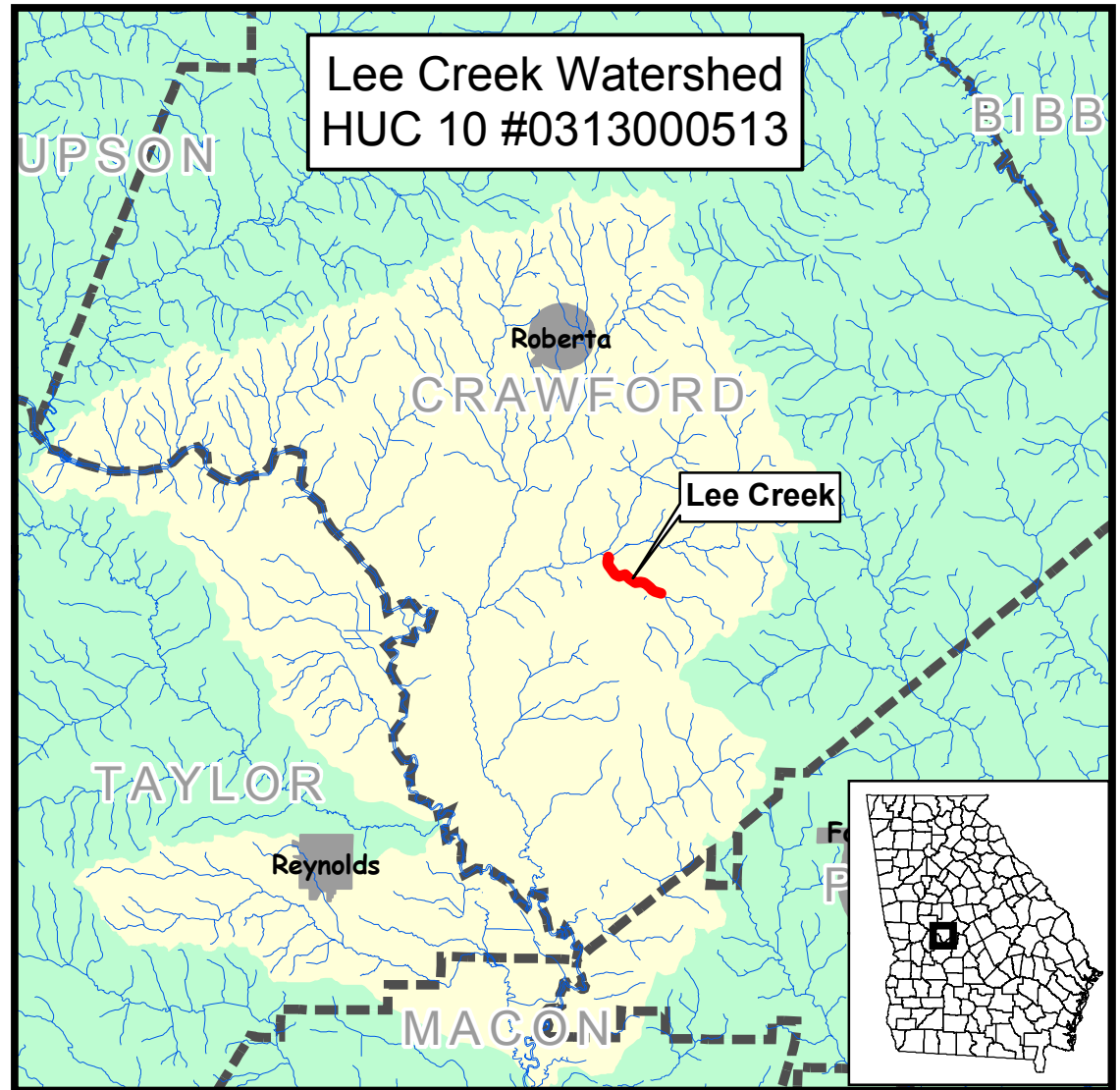
**STATE OF GEORGIA**  
**TIER 2 TMDL IMPLEMENTATION PLAN**    **REVISION** \_\_\_\_  
 Lee Creek  
 Flint River Basin

Local Watershed Governments

**I. INTRODUCTION**

Total Maximum Daily Load (TMDL) Implementation Plans are platforms for evaluating and tracking water quality protection and restoration. These plans have been designed to accommodate continual updates and revisions as new conditions and information warrant. In addition, field verification of watershed characteristics and listing data has been built into the preparation of the plans. The overall goal of the plans is to define a set of actions that will help achieve water quality standards in the state of Georgia.

This implementation plan addresses the general characteristics of the watershed, the sources of pollution, stakeholders and public involvement, and education/outreach activities. In addition, the plan describes regulatory and voluntary practices/control actions (*management measures*) to reduce pollutants, milestone schedules to show the development of the management measures (*measurable milestones*), and a monitoring plan to determine the efficiency of the management measures.



**Table 1. IMPAIRMENTS**

IMPAIRED STREAM SEGMENT	IMPAIRED SEGMENT LOCATION	IMPAIRMENT
Lee Creek	D/S Lake Henry to Beaver Creek	Biota(sediment)
Avera Creek*	Headwaters to Beaver Creek	pH & Biota(sediment)
Beaver Creek*	Headwaters to Spring Creek	Low Dissolved Oxygen & Biota(sediment)

\* Plan will be written by GA EPD

## II. GENERAL INFORMATION ABOUT THE WATERSHED

Write a narrative describing the watershed, HUC 10#0313000513. Include an updated overview of watershed characteristics. Identify new conditions and verify or correct information in the TMDL document using the most current data. Include the size and location of the watershed, political jurisdictions, and physical features which could influence water quality. Describe the source and date of the latest land cover/use for the watershed. Describe and quantify major land uses and activities which could influence water quality. See the instructions for more information on what to include.

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Lee Creek is located in unincorporated Crawford County, just to the west of U.S. 341. The affected area, according to Georgia Department of Natural Resources (DNR) data is one mile in length. The stream segment impaired due to sedimentation (biota) is located on property of the Atlanta Sand Company.

The northern boundary of the stream segment is a dirt road off of U.S. 341 with no outlet. This acts as the service road for the Atlanta Sand Company. There is an approximate 30 foot drop-off from the road bed to a pond through which Lee Creek flows. The bank from the road bed to this water body is also heavily vegetated and prevents much sediment from flowing into the water. However, airborne dust, dirt, and sand could potentially settle in the water body. The remainder of the stream segment meanders through the Atlanta Sand Company property and wooded areas. The primary current land use as provided by the Georgia Environmental Protection Division is deciduous forest surrounding Lee Creek. Nearly 40 percent of the land is covered by deciduous forest. Estimated sediment load percentages for Lee Creek indicate over 50 percent are quarries, strip mines, and gravel pits. Additionally row crops make up almost 45 percent of the sediment load.

The physical features of the area surrounding the stream segment are so that the eastern portion is bounded by U.S. 341, a major transportation corridor into and out of Crawford County with significant numbers of dump trucks (or other open vehicles) which could contribute to pollution of the river. U.S. 341 sits high above the mouth of the stream (approximately 50 feet above) so that sediment could fall into the stream bed. However, the buffer between the road and the stream is heavily vegetated, preventing an abundance of vegetation from flowing into the stream.

The physical, manmade features surrounding the stream are only U.S. 341 and the Atlanta Sand Company facilities. The only land use within the affected area is industrial, and the entire segment is on property owned by the Atlanta Sand Company, with the exception of Department of Transportation Right-of-way. It should be noted that as water flows from Lake Henry on the eastern portion of U.S. 341, under the roadway, to the western portion of U.S. 341, a portion of the water flows into a stagnant area with black pond water. At the same point in the water, small oil-like patches were visible on the surface of the water.

In September of 1991, Crawford County and the City of Roberta produced a Joint Comprehensive Plan for Crawford County and the City of Roberta. Within this document, a future land use map was generated, showing the affected area to be identified for industrial use. Although old and very granular in condition, this information can be derived. It should be noted that Crawford County and the City of Roberta are in the process of updating their Joint Comprehensive Plan for submission to the Georgia Department of Community Affairs to satisfy a February 2006 deadline. A part of this process will be to update the existing and future land use components of the comprehensive plan.

At the present time, there are no other ongoing planning or assessment activities, with the exception of the Total Maximum Daily Load (TMDL) Implementation Planning process. However, Crawford County intends to request funding from Georgia DNR under the Section 319 program to undertake additional testing and monitoring of the Lee Creek in order to determine the severity of the impairment, or if it has been remedied since the test in 1999. It is impossible to design a truly effective implementation plan to reduce the biota impairment of the stream without additional data fully detailing the nature of the problem in 2004 (or 2005, when grant funds will be requested).

There are no storm water programs in place in the area immediately surrounding Lee Creek. Similarly, there are no water supply watershed protection activities underway within Crawford County. Also, there has been no Source Water Assessment Program (SWAP) undertaken as the Crawford County Board of Commissioners have not requested such technical assistance from the Middle Georgia Regional Development Center.

Crawford County's Planning & Zoning Official is a Certified Soil Erosion Supervisor responsible for ensuring compliance with all applicable state and federal regulations. Using the handbook provided by the State of Georgia, the planning & zoning department responds to occasional incidents where non-compliance may be at issue. Other instances are referred to the Georgia Department of Natural Resources Historic Preservation Division.

At present there are no local water quality management or sampling programs, no storm water utility districts, or watershed associations or Adopt-A-Stream programs within Crawford County.

## LEE CREEK

COMPLETE THE FOLLOWING TABLES FOR AND NARRATIVES ABOUT EACH IMPAIRED STREAM IN THE WATERSHED.

STREAM SEGMENT NAME	LOCATION	MILES/AREA	DESIGNATED USE	PS/NS
Lee Creek	D/S Lake Henry to Beaver Creek (Crawford County)	1	Fishing	PS

### III. SOURCES AND CAUSES OF STREAM SEGMENT IMPAIRMENT LISTED IN TMDLs

After reviewing the TMDLs written for this stream, complete the following tables with **the information found in the TMDLs**. List each parameter for which the stream segment is impaired and the water quality standard violated. See the instructions for the water quality standards. Describe the sources and causes of each violation identified in the TMDLs.

**Table 2. SOURCES OF IMPAIRMENT AS INDICATED IN TMDLs**

PARAMETER 1	WQ STANDARD	SOURCES OF IMPAIRMENT	NEEDED REDUCTION FROM TMDL
Biota	No degradation of fish community	Non-Point	18% (620 tons/year)

#### IV. IDENTIFICATION AND RANKING OF POTENTIAL SOURCES OR CAUSES OF IMPAIRMENT

INVESTIGATE AND EVALUATE the sources of impairment for each parameter listed in Table 2. Write a narrative describing efforts made or procedures used to verify the significance and extent of the sources or causes of each impairment listed in the TMDLs. Include:

- Involvement of stakeholder group
- Field surveys
- Review of land cover data
- Evaluation of sources

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The approach used to investigate and evaluate the sources of impairment for the Lee Creek stream segment was multi-pronged. First, a stakeholder group was identified to be comprised of landowners, businesses, environmental groups, state agencies, and local government officials to bring together a group of individuals who could adequately address the impairment of Lee Creek. Secondly, a group of local government officials met with Middle Georgia RDC staff to determine potential sources of impairment and to discuss the geographical features on and around Lee Creek. Subsequently, and after a heavy rain, county officials and the Middle Georgia RDC conducted a field survey of the area upstream from Lee Creek (Lake Henry and its tributaries) to determine if any causes of impairment were visible upstream. Next, a series of stakeholder meetings was conducted to examine the possibilities of impairment, determine possible action items for improving the quality of the stream, and to see if any action had been taken to remedy the stream segment since it was determined to be impaired.

The stakeholder group was comprised of all landowners adjacent to Lee Creek or its tributaries. Land owner's names and addresses were obtained from records in the Crawford County Tax Assessors' office. These individuals were contacted via letter to inform them of the series of meetings and inform them of the upcoming TMDL process. At each of the first two meetings, participants were asked if any additional persons should be invited into the planning process due to some information they could provide, or entity that should be represented. These additional names are included in the stakeholder list. These stakeholders injected a wealth of local knowledge into the planning process, which would have been extremely limited without their input.

Building and code enforcement personnel from the Crawford County government met with representatives from the Middle Georgia RDC to determine what the sources of impairment could be along Lee Creek. Several potential scenarios were discussed, but none could be proven or disproven without additional documentation.

The same team that discussed the potential sources of impairment along the creek met to conduct a visual inspection of the entire area around Lee Creek. Evaluation began by inspecting the tributaries into Lake Henry which were primarily stagnant, muddy areas. One dirt road crossed each of the tributaries, which could result in a small degree of run-off. The perimeter of Lake Henry was also inspected to determine if areas could be contributing to the impairment downstream. Upon visual inspection, there were very few areas surrounding the lake where run-off could occur at significant rates. Additional inspection of Lake Henry, where water flows from the lake to Lee Creek, indicated an area where areas of sedimentation were unlikely due to vegetation. It was the opinion of those conducting the visual inspection that oil and grease from the road might be the biggest threat to water quality on Lee Creek from that location. Once crossing under U.S. 341, from Lake Henry, the stream segment in question begins. As stated previously, the waterway forks with a stagnant water collection area on the southern side, with a slow-flowing stream to the northern side. This flow creates Lee Creek as it meanders through the Atlanta Sand Company property. Inspection of the stream segment was conducted from Sand Pit Road, the only entrance and exit into the Atlanta Sand Company, with findings noted in Section II : General Information About the Watershed. Furthermore, representatives of the Atlanta Sand Company provided tours of Lee Creek and various ponds throughout the Atlanta Sand property. Upon this inspection, no irregularities were visible.

Subsequently, a series of stakeholder meetings was conducted to allow the stakeholders mentioned in the initial portion of this section to provide input into determining a plan of action for improving the water quality along Lee Creek.

To the extent possible, identify sources and quantify the extent of pollution in the stream segment for each of the parameters listed in Table 2 and evaluate the likely impact on the parameter load to the stream. This should follow research performed and described in preceding narrative and should correct or add information to the TMDLs. **The SOURCES SHOULD BE RANKED** from those having the most impact to those having the least impact. The estimated extent of contribution can be expressed as the area of the watershed effected, the stream miles effected, or the number of activities contributing to the problem. The magnitude of contribution should be estimated to be large, moderate, small, or negligible.

**Table 3. CONCLUSIONS MADE OF POTENTIAL SOURCES OF STREAM SEGMENT IMPAIRMENT**

PARAMETER 1	POTENTIAL SOURCES	ESTIMATED EXTENT OF CONTRIBUTION	ESTIMATED MAGNITUDE OF CONTRIBUTION	COMMENTS
Biota	Atlanta Sand Company (NP)	Unknown	Unknown	Additional testing required
Biota	Sand Pit Road (NP)	Unknown	Unknown	Additional testing required
Biota	Traffic along U.S. 341 (NP)	Unknown	Unknown	Additional testing required

## V. STAKEHOLDERS

PUBLIC INVOLVEMENT AND THE ACTIVE PARTICIPATION OF STAKEHOLDERS is essential to the process of preparing TMDL implementation plans and improving water quality. Stakeholders can provide valuable information and data regarding their community, impaired water bodies, potential causes of impairments, and management practices and activities which may be employed to reduce the impacts of the causes of impairment.

Describe outreach activities to advise and engage stakeholders in the TMDL implementation plan preparation process. Describe the stakeholder group employed or formed to address the impaired segments in the watershed. Summarize the results of the number of attendees and meetings and describe major findings, recommendations, and approvals.

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Stakeholders were contacted by the Middle Georgia RDC via letter and/or e-mail and advised of a series of meetings to be held at the Crawford County Courthouse – Paul Coverdell Room. Additionally, public notices were posted at the Courthouse and the County Commissioner's Office. The initial correspondence to each individual indicated the date, time, and location of each subsequent meeting to ensure that all stakeholders could plan to attend each meeting. Subsequent to the meetings, and prior to the next meeting, stakeholders were notified by another letter including the minutes from the previous meeting and the agenda for the upcoming meeting.

As stated previously, the stakeholder group consisted of landowners, businesses, environmental groups, state agencies, and local government officials. These individuals brought some area of expertise or experience to the table that allowed them to provide input into the problem and solution portion of the process. All entities were invited together to discuss the impairment and potential mitigating measures for Lee Creek.

Meeting 1 was attended by 7 stakeholders. This meeting was informational in nature as the Middle Georgia RDC presented information passed down from the Georgia Department of Natural Resources that the stakeholders should know about water quality in their community. Individuals present were provided a description of the area that was in discussion, and all were familiar with the area. At this meeting, committee members were asked to hypothesize about the causes of impairment along Lee Creek. Certain suggestions were runoff from U.S. 341, runoff from Sand Pit Road, activities associated with Atlanta Sand Company operations, and historical impairment from the Flood of 1994.

Meeting 2 was attended by 8 stakeholders. At this meeting, several persons were in attendance that were not present at the first meeting. A reiteration of the information from DNR was provided to the new persons attending the stakeholder meeting. Additionally, the individuals present were asked to provide suggestions of what the community could do to improve water quality, and specifically that of Lee Creek. Stemming from comments made during the first meeting during the brainstorming session, stakeholders inquired when subsequent tests would be conducted to determine if the issue persisted, if it had been remedied, or if it worsened. Harriet Bryant of the Department of Natural Resources indicated to the stakeholders that additional testing would not take place during Fiscal Year 2005 due to funding constraints when asked by the committee when the stream would be tested again. Individuals at the meeting were unanimous in that additional testing was necessary to determine a plan of action and potentially de-listing the stream from the 303(d) list. Of all comments at the meeting, most revolved around the fact that not enough information was available to adequately assess the condition of the stream.

The attendance at the third meeting dropped to 5 stakeholders. However, when formulating an action plan, the stakeholders were adamant that only further testing of Lee Creek would provide adequate information to remedy the stream segment. Additional measures were beneficial to the overall community, but a specific action plan could not be set until further tests were conducted. Mr. Bill White of the Georgia Soil & Water Conservation Commission indicated that Lee Creek was not severely impaired based on data provided by DNR, and might not need to be listed at all based upon the turbidity of the segment.

List the watershed or advisory committee members of the stakeholder group for this segment in the following table.

**Table 4. COMMITTEE MEMBERS**

NAME/ORG	ADDRESS	CITY	STATE	ZIP	PHONE	E-MAIL
Jason Todd & Maria Wicks, Property Owners	4992 Hwy. 341 S.	Roberta	GA	31078		
Atlanta Sand Company, Property Owners	740 Sand Pit Road	Roberta	GA	31078		
Big Six Farms, Property Owners	5575 Zenith Mill Road	Fort Valley	GA	31030		
Ishmael & Katherine Taylor, Property Owners	188 Lake Henry Road	Roberta	GA	31078		
James Zellner, Property Owner	Rt. 1 Box 107	Culloden	GA	31016		
David & Nancy Shonkwilder, Property Owners	6544 Hwy. 341 S.	Roberta	GA	31078		
Development Authority of Crawford County, Property Owners	P.O. Box 700	Roberta	GA	31078		
Raymond O. & Walter E. Ballard, Property Owners	1396 Broadway	Macon	GA	31201		
Charles Morgan Barrett, Property Owner	4490 Jones Road	Macon	GA	31078		
Specialty Rubber Recycling, Property Owners	P.O. Box 2509	Roberta	GA	31078		
Frank H. Nix Estate c/o Elijah Lohman, Property Owners	696 Houze Road East	Fort Valley	GA	31030		
Hal Lowman, Property Owner	696 Houze Road East	Fort Valley	GA	31030		



David Bennett, GA Soil & Water Conservation Commission	P.O. Box 8024	Athens	GA	30603		
Chad Thompson, GA Soil & Water Conservation Commission	3041 Heritage Road Suite 1	Milledgeville	GA	31061		
Harriet Bryant, Georgia Environmental Protection Division	4220 International Parkway Suite 101	Atlanta	GA	30354		
Guerry Thomas, Piedmont Soil & Water Conservation District	3041 Heritage Road Suite 1	Milledgeville	GA	31061		
Jim Collins, Cattlemen's Association	299 Barrows Ferry Road	Milledgeville	GA	31061		
Abit Massey, Georgia Poultry Federation	P.O. Box 763	Gainesville	GA	30503		
Nathan Klaus, Georgia Department of Natural Resources	115 Rum Creek Drive	Forsyth	GA	31029		
Bill Meeks, University of Georgia		Athens	GA	30602		
Lori Purcell, UGA Cooperative Extension Service	1109 Experiment Station Flynt Building Room 227	Griffin	GA	30223		
Mark Risse, UGA Cooperative Extension Service	Driftmeir Engineering Building	Athens	GA	30602		
Ronnie Shell, Piedmont National Wildlife Refuge	718 Juliette Road	Round Oak	GA	31038		
Robert Shulstead, College of Agriculture & Environmental Sciences, UGA	Connor Hall	Athens	GA	30602		
Joan Marsh, UGA Cooperative Extension Service	1109 Experiment Station Flynt Building Room 227	Griffin	GA	30223		
Steve Miller, Georgia Forestry Commission	2692 Highway 441 S.	Milledgeville	GA	31061		

Larry Walker, Weyerhaeuser	P.O. Box 238	Oglethorpe	GA	31068		
Tiffany Wharton, Environmental Code Enforcement	P.O. Box 1359	Gray	GA	31032		
Scott Thaxton, Georgia Forestry Commission	302 Milledgeville Road	Eatonton	GA	31024		
John Wilson, Ocmulgee Riverkeeper	2340 Clayton Street	Macon	GA	31024		
Gregory J. Dent, Crawford County Board of Commission Chairman	P.O. Box 1059	Roberta	GA	31078		
Gene Hamlin, Crawford County Board of Commission	P.O. Box 1059	Roberta	GA	31078		
Benjamin Hollis, Crawford County Board of Commission	P.O. Box 1059	Roberta	GA	31078		
Ernest Jump, Crawford County Board of Commission	P.O. Box 1059	Roberta	GA	31078		
Harold Spillers, Crawford County Board of Commissioners	P.O. Box 1059	Roberta	GA	31078		
Robert Cody, Roberta City Council	P.O. Box 278	Roberta	GA	31078		
Erv Patton, Roberta City Council	P.O. Box 278	Roberta	GA	31078		
E.T. Pressley, Jr., Roberta City Council	P.O. Box 278	Roberta	GA	31078		
Oscar J. Starnes, Jr., Roberta City Council	P.O. Box 278	Roberta	GA	31078		
Wincel Thaxton, Roberta City Council	P.O. Box 278	Roberta	GA	31078		
Brenda Carroll, Development Authority of Crawford County	P.O. Box 1059	Roberta	GA	31078		
Sandra Williams, Crawford	P.O. Box 507	Roberta	GA	31078		

County Cooperative Extension Service						
Rudy Cannon, Crawford County Farm Bureau	56 Wright Avenue	Roberta	GA	31078		
The Georgia Post	58 S. Dugger Avenue	Roberta	GA	31078		
Jimmy Moncrief, Farm Bureau	4076 Hollis Road	Roberta	GA	31078		
Charlie Harris, Ocmulgee Soil & Water	6717 U.S. Hwy. 341 N.	Musella	GA			
Bill White, Georgia Soil & Water Conservation Commission	P.O. Box 8024	Athens	GA			

In Appendix A, list the names, addresses, telephone numbers, and e-mail addresses for local governments, agricultural or commercial forestry organizations, significant landholders, businesses and industries, and local organizations including environmental groups and individuals with a major interest in this watershed.

## VI. MANAGEMENT MEASURES AND ACTIVITIES

Describe any management measures or activities that have been put into place or will be put into place including regulatory or voluntary actions or other controls by governments or individuals that specifically apply to the pollutant that will help achieve water quality standards. Include who will be responsible for the measure, how it will be funded, the status, the date it will be or was initiated, and a short description of how effective the measure is or will be.

**Table 5. MANAGEMENT MEASURES AND ACTIVITIES**

### GENERAL MEASURES APPLICABLE TO ALL PARAMETERS

MEASURE	RESPONSIBILITY	DESCRIPTION	SOURCE OF FUNDING	STATUS	ENACTED/ IMPLEMENTED	EFFECTIVENESS (Very, Moderate, Weak)
Undertake Ongoing Testing & Monitoring of Lee Creek	Crawford County, Property Owners & Trained Water Tester	Apply for EPD funding to conduct ongoing testing and monitoring of Lee Creek to determine the extent of impairment of the stream, with the ultimate goal of de-listing the creek.	Section 319 grant	To be filed	Proposed	Very
Formation of an Adopt-A-Stream program in Crawford County	Property Owners & Crawford County	Certain individuals in the community wish to see a program started where water quality throughout the county is achieved.	None	To be Initiated	Proposed	Moderate
Community Education	Crawford County & local media outlets	Press releases and informational stories placed in local newspapers to heighten the awareness of water quality & impairment levels.	County general fund	To be Initiated	Proposed	Weak
Community Education	Crawford County & local school system	Educational material presented to school children to heighten awareness of water quality & impairment levels.	County general fund	To be Initiated	Proposed	Weak
Implementation of Part V Environmental Criteria	Crawford County & City of Roberta	Incorporation of Part V Environmental Criteria into 2005 Comprehensive Plan update to be submitted to DCA.	None	Initiated	Proposed	Weak
Review & amend necessary land use ordinances	Crawford County & City of Roberta	Crawford County has obtained a Quality Growth Grant to evaluate these ordinances	DCA & County General Funds	Initiated	In Progress	Moderate
Adherence to Georgia Erosion & Sedimentation Act	Georgia DNR/EPD, Georgia SWCC	Ensure compliance with Georgia Erosion & Sedimentation Act	None	Ongoing	Enacted	Moderate/Weak
Adherence to Georgia Water Quality Act	Georgia DNR/EPD	Ensure compliance with Georgia Water Quality Act	None	Ongoing	Enacted	Moderate

Adoption of proper unpaved road maintenance practices	Crawford County, City of Roberta,	Implement relevant maintenance practices and procedures for unpaved roads within Crawford County. Potential Source: Recommended Practices Manual, A Guideline for Maintenance and Service of Unpaved Roads (Choctawhatchee, et. al, 2000).	None	To be Initiated	Proposed	Moderate/Weak
Formation of Lake Henry Homeowners Association	Property Owners	Formation of a Lake Henry Homeowners Association to ensure that water upstream from Lee Creek is not impaired.	None	To be Initiated	Proposed	Weak
Compliance with NPDES permit limits and requirements	Crawford County	Continued compliance with NPDES permit limits and requirements will prevent worsening watershed conditions.	Staff Time	To be Initiated	Proposed	Moderate
Adherence to the Mined Land Use Plan prepared as part of the Surface Mining Permit Application	Crawford County & Property Owners	Follow plan that was prepared to ensure quality of water is not degraded	Staff Time plus some potential mitigating actions	Initiated	In Progress	Moderate

**MEASURES APPLICABLE TO INDIVIDUAL PARAMETERS (SEE ALL LISTED ABOVE)**

PARA-METER 1	MEASURE	RESPONSIBILITY	DESCRIPTION	SOURCE OF FUNDING	STATUS	ENACTED/IMPLEMENT-ED	EFFECTIVENESS (Very, Moderate, Weak)



## VII. MONITORING PLAN

The purposes of monitoring are to obtain more data, to determine the sources of pollution, to describe baseline conditions, and to evaluate the effects of management and activities on water quality. Describe any sampling activities or other surveys - active, planned or proposed - and their intended purpose. Reference the development and submission of a Sample Quality and Assurance Plan (SQAP) if monitoring for delisting purposes.

**Table 6. MONITORING PLAN**

PARAMETER(S) TO BE MONITORED	ORGANIZATION	STATUS (CURRENT, PROPOSED, PLANNED)	TIME FRAME		PURPOSE (If for delisting, date of SQAP submission)
			START	END	
Biota	Crawford County Board of Commissioners	Proposed	May 2005	April 2006	Determine extent of current impairment and develop action plan to improve water quality.

## VIII. PLANNED OUTREACH FOR IMPLEMENTATION

List and describe outreach activities which will be conducted to support this plan and the implementation of it.

**Table 7. PLANNED OUTREACH**

RESPONSIBILITY	DESCRIPTION	AUDIENCE	DATE
Crawford County Board of Commissioners	Press Releases	Community Residents	April 2005
Crawford County Board of Commissioners	Educational Material	Community Residents	May 2005
Crawford County Board of Commissioners	Educational Programming in Schools	School Children	October 2005
Crawford County Board of Commissioners & Roberta City Council	Incorporation of Part V Environmental Criteria into Community Planning & Visioning component of Comprehensive Plan	Community Task Force, Local Elected Officials	2004



## IX. MILESTONES/ MEASURES OF PROGRESS OF BMPs AND OUTREACH

This table will be used to **track and report progress of management measures including BMPs and outreach**. Record milestone dates for:

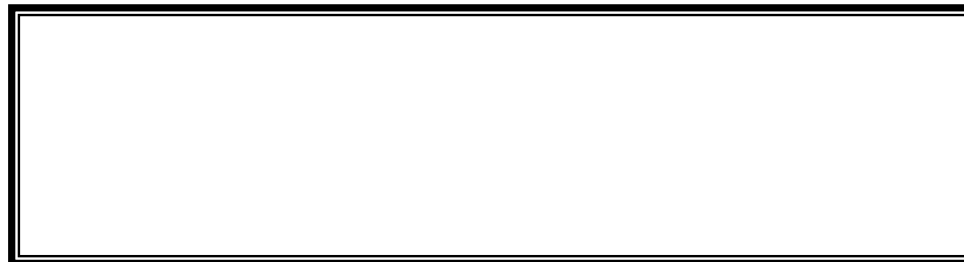
- accomplishment of management practices or activities
- outreach activities
- installation of BMPs

to attain water quality standards. Comment on the effectiveness of the management measure, how much support the measure was given by the community, what was learned, how the measure might be improved in the future, and any other observations made. This table can be "pulled out" of this template and used to report and track progress.

**Table 8. MILESTONES**

MANAGEMENT MEASURE	RESPONSIBLE ORGANIZATIONS	STATUS		COMMENT
		PROPOSED	INSTALLED	
Ongoing testing of Lee Creek	Crawford County Board of Commissioners	X		Requires state financial assistance; the most beneficial management measure identified for Lee Creek.
Community Education of Clean Water	Crawford County Board of Commissioners	X		To be presented to different audiences; county must acquire or create educational material; not effective measure to mitigate Lee Creek impairment.
Implementation of Part V Environmental Criteria in Comprehensive Plan Update	Crawford County Board of Commissioners & Roberta City Council		X	Completed and Enacted by Crawford County Board of Commissioner & Roberta City Council
Review & Amend necessary land use ordinances	Crawford County Board of Commissioners	X		To be completed by February 2005; currently underway by Middle Georgia RDC with the assistance of a Quality Growth grant; beneficial.
Continued adherence to state and federal water quality regulations	Crawford County Board of Commissioners & Roberta City Council		X	Ongoing.
Adoption of Unpaved Roads Best Management Practices (BMP) into local ordinances	Crawford County Board of Commissioners & Roberta City Council	X		To be incorporated into review and amendment to any necessary land use ordinances; to be completed by February 2005; can prevent problem from worsening, but will not mitigate Lee Creek
Formation of Lake Henry Homeowners Association	Property Owners	X		Unlikely, due to the fact that Lake Henry has not been shown to be impaired; minimal benefit.
Formation of an Adopt-A-Stream program in Crawford County	Property Owners & Residents	X		May have potential benefit if continued monitoring is undertaken.

Prepared By:	Rusty Haygood, Manager of Public Administration		
Agency:	Middle Georgia RDC		
Address:	175-C Emery Highway		
City:	Macon	ST:	GA ZIP: 31217
E-mail:	<a href="mailto:rhaygood@mgrdc.org">rhaygood@mgrdc.org</a>		
Date Submitted to EPD:			Revision:



## APPENDIX A.

## STAKEHOLDERS

List the names, addresses, telephone numbers, and e-mail addresses for local governments, agricultural or commercial forestry organizations, significant landholders, businesses and industries, and local organizations including environmental groups and individuals with a major interest in this watershed. **(SEE ATTACHED)**

[illegible]

**APPENDIX B.**

**UPDATES TO THIS PLAN**

Describe any updates made to this plan. Include the date, section or table updated, and a summary of what was changed and why.

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No updates. Initial IMDL Implementation Plan.

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Map No.	Parcel #	Name	Organization	Address	City	State	Zip
45	24	Jason Todd & Maria Wicks	Property Owner	4992 Hwy. 341 S.	Roberta	GA	31078
46	1	Atlanta Sand Co.	Property Owner	740 Sand Pit Road	Roberta	GA	31078
46	2	Atlanta Sand Co.	Property Owner	740 Sand Pit Road	Roberta	GA	31078
46	7	Big Six Farms	Property Owner	5575 Zenith Mill Rd	Ft. Valley	GA	31030
46	9	Ishmael & Katherine Taylor	Property Owner	188 Lake Henry Road	Roberta	GA	31078
46	10	James Zellner	Property Owner	Rt. 1 Box 107	Culloden	GA	31016
46	11	David & Nancy Shonkwilder	Property Owner	6544 Hwy. 341 S.	Roberta	GA	31078
46	12	Development Authority of Crawford County	Property Owner	P.O. Box 700	Roberta	GA	31078
46	18	Raymond O. & Walter E. Ballard	Property Owner	1396 Broadway	Macon	GA	31201
46	37	Charles Morgan Barrett	Property Owner	4490 Jones Road	Macon	GA	31206
46	38	Specialty Rubber Recycling	Property Owner	P.O. Box 2509	Roberta	GA	31078
46	39	Atlanta Sand Co.	Property Owner	740 Sand Pit Road	Roberta	GA	31078
56	6	Frank H. Nix Estate c/o Elijah Lowman	Property Owner	696 Houze Rd. East	Ft. Valley	GA	31030
56	7	Elijah Lohman et. al. (c/o Ola Lowman)	Property Owner	696 Houze Rd. East	Ft. Valley	GA	31030
56	8	Hal Lowman	Property Owner	649 Houze Rd. East	Ft. Valley	GA	31030
56	9	Hal Lowman	Property Owner	649 Houze Rd. East	Ft. Valley	GA	31030
		David Bennett, Deputy Executive Director	GA Soil & Water Conservation Comm.	P.O. Box 8024	Athens	GA	30603
		Chad Thompson, Regional Representative	GA Soil & Water Conservation Comm.	3041 Heritage Rd., Suite 1	Milledgeville	GA	31061
		Harriet Bryant, Water Resources Branch	Georgia DNR	4220 International Pkwy., Suite 101	Atlanta	GA	30354
		Guerry Thomas, E&S Control Coordinator	Piedmont Soil & Water Conservation Dist.	3041 Heritage Rd., Suite 1	Milledgeville	GA	31061
		Jim Collins	Cattlemen's Association	299 Barrows Ferry Rd.	Milledgeville	GA	31061
		Abit Massey, President	Georgia Poultry Federation	P.O. Box 763	Gainesville	GA	30503
		Nathan Klaus	Georgia DNR	115 Rum Creek Dr.	Forsyth	GA	31029
		Bill Meaks, Poultry Science Department	University of Georgia		Athens	GA	30602
		Lori Purcell, Program Development Coord.	UGA Cooperative Extension Service	1109 Experiment St., Flynt Building, Room 227	Griffin	GA	30223
		Mark Risse, Extension Engineer	UGA Cooperative Extension Service	Driftmeir Enginner Bldg.	Athens	GA	30602
		Ronnie Shell, Refuge Manager	Piedmont National Wildlife Refuge	718 Juliette Road	Round Oak	GA	31038
		Robert Shulstad, Asst. Dean & Coord.	College of Agriculture/Envir. Sciences	Conner Hall	Athens	GA	30602

		Joan Marsh, District Agent	UGA Cooperative Extension Service	1109 Experiment St., Flynt Building, Room 227	Griffin	GA	30223
		Steve Miller, Chief Ranger	Georgia Forestry Commission	2692 Highway 441 S.	Milledgeville	GA	31061
		Larry Walker	Weyerhaeuser Company	P.O. Box 238	Oglethorpe	GA	31068
		Harold West	Georgia Forestry Commission	119 Highway 49	Milledgeville	GA	31061
		Tiffany Wharton	Environmental Code Enforcement	P.O. Box 1359	Gray	GA	31032
		John Wilson	Ocmulgee Riverkeeper	2340 Clayton Street	Macon	GA	31204
		Scott Thackston, Forester	Georgia Forestry Commission	302 Milledgeville Road	Eatonton	GA	31024
		Gregory J. Dent, Chairman	Crawford County Board of Comm.	P.O. Box 1059	Roberta	GA	31078
		Gene Hamlin, Commissioner	Crawford County Board of Comm.	6885 Sandy Point Rd.	Lizella	GA	31052
		Benjamin Hollis, Commissioner	Crawford County Board of Comm.	Rt. 1 Box 1010	Roberta	GA	31078
		Ernest Jump, Commissioner	Crawford County Board of Comm.	P.O. Box 1059	Roberta	GA	31078
		Harold Spillers, Commissioner	Crawford County Board of Comm.	Rt. 1	Musella	GA	31066
		Robert Cody, City Council	City of Roberta	P.O. Box 158	Roberta	GA	31078
		Erv Patton, City Council	City of Roberta	P.O. Box 421	Roberta	GA	31078
		E.T. Pressley, Jr., City Council	City of Roberta	P.O. Box 231	Roberta	GA	31078
		Oscar J. Starnes, Jr., City Council	City of Roberta	P.O. Box 63	Roberta	GA	31078
		Wincel Thaxton, Mayor Pro Tem	City of Roberta	P.O. Box 357	Roberta	GA	31078
		Brenda Carroll	Development Authority of Crawford County	P.O. Box 1059	Roberta	GA	31078
		Sandra Williams	Crawford Co. Coop. Ext. Service	P.O. Box 507	Roberta	GA	31078
		Rudy Cannon, Agency Manager	Crawford County Farm Bureau	56 Wright Ave.	Roberta	GA	31078
			The Georgia Post	58 S. Dugger Ave	Roberta	GA	31078